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United States Department of Agriculture

CONSUMER AND MARKETING SERVICE

COTTON DIVISION

U. S. DEPT. OF AGRICULTURE
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CURRENT SERIAL RECORDS

REGULATIONS OF THE DEPARTMENT OF AGRICULTURE
FOR COTTON FIBER AND PROCESSING TESTS

(Title 7, Ch. I, Part 28, Sections 28,950-28,961 of the Code of Federal Regulations)

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DEFINITIONS

Sec. 28.950 Terms defined. As used throughout this subpart, unless the context otherwise requires, the following terms shall be construed, respectively, to mean:

(a) Regulations. Regulations mean the provisions in this subpart.
 (b) Service. The Consumer and Marketing Service of the United States Department of Agriculture.

(c) Administrator. The Administrator of the Consumer and Marketing Service, or any officer or employee of the Service, to whom authority has heretofore been delegated, or to whom authority may hereafter be delegated, to act in his stead.

(d) Division. The Cotton Division of the Consumer and Marketing Service.

(e) Director. The Director of the Cotton Division, or any officer or employee of the Division to whom authority has heretofore been delegated, or to whom authority may hereafter be delegated, to act in his stead.

(f) Laboratories. Laboratories of the Cotton Division that perform the fiber and processing tests described in this subpart.

ADMINISTRATION

Sec. 28.951 Director. The Director shall perform for and under the supervision of the Administrator, such duties as the Administrator may require in enforcing the regulations in this subpart.

FIBER AND PROCESSING TESTS

Sec. 28.952 Testing of samples. The director or his authorized representatives, upon written requests, shall make fiber and processing tests of the properties of cotton samples and report the results thereof to the person from whom such requests are received, subject to compliance by such persons with the regulations in this subpart and to the payment by them of fees as prescribed herein.

Sec. 28.953 Requirements as to samples. Each sample of ginned cotton lint submitted for fiber and processing tests shall weigh approximately as shown below unless otherwise specified in the particular test item as prescribed herein:

1 ounce or more for fiber tests.

6 pounds or more for carded yarn spinning tests.

8 pounds or more for combed yarn spinning tests.

10 pounds or more for carded and combed yarn spinning tests.

Each individual sample submitted for testing shall contain a tag or coupon bearing a number or other identification symbol. Individually labelled samples may be sent in one or more parcels, each of which shall bear on the outside thereof the name and address of the person submitting it. Persons who submit samples to laboratories for testing shall comply with any Federal or State quarantine requirements applicable to counties from which such samples are shipped.

Sec. 28.954 Costs of submitting samples. The transportation of samples to a laboratory for testing shall be without expense to the Government.

Sec. 28.955 Disposition of samples. The remnants of samples and the other materials accumulated in the making of tests under the regulations in this subpart shall be the property of the Government. Portions of such samples and materials, however, may be used for illustrative purposes in connection with laboratory reports submitted to persons applying for such tests or may be returned to such persons as prescribed herein for specific test items.

Sec. 28.956 Prescribed fees. Fees for fiber and processing tests shall be assessed as listed below:

Item No.	KIND OF TEST	Fee per test
1.	Furnishing U.S.D.A. calibration cotton in the short, medium, long and extra long staple lengths, including standard values for length by both array and Fibrograph methods, strength by flat bundle method at 1/8-inch gauge, and maturity and fineness by the Causticaire methods:	
	a. By surface delivery, 1-lb. sample.....	\$7.50
	b. By air delivery within the U.S., 1-pound sample.....	8.50

Item No.	KIND OF TEST	Fee per test
	c. By air delivery outside the U.S., 1-pound sample.....	\$9.50
2.	Furnishing international calibration cotton standards with standard values for micronaire reading and Pressley fiber strength at zero gauge:	
	a. By surface delivery, 1/2-lb. sample.....	5.00
	b. By air delivery within U.S., 1/2-lb. sample.....	5.50
	c. By air delivery outside U.S., 1/2-lb. sample..	6.00
3.	Fiber length array of cotton samples. Reporting the average percentage of fibers by weight in each 1/8-inch group, the average length and the average length variability as based on 3 specimens from a blended sample:	
	a. Ginned cotton lint, per sample.....	15.50
	b. Cotton comber noils, per sample	21.75
	c. Other cotton wastes, per sample.....	28.00
3.1.	Fiber length array of cotton samples. Reporting the average percentage of fibers by weight in each 1/8-group, the average length, and the average length variability as based on 2 specimens from a blended sample:	
	a. Ginned cotton lint, per sample.....	11.25
	b. Cotton comber noils, per sample	17.50
	c. Other cotton wastes, per sample.....	23.75
3.2.	Fiber array of cotton samples including purified or absorbent cotton. Reporting the average percentage of fibers 1/2-inch and longer by weight, the average of fibers shorter than 1/4-inch by weight, the average length, and the average length variability as based on 3 specimens from each sample, per sample.....	15.50
4.	Fiber length of ginned cotton lint by Fibrograph method. Reporting the average length and the average length uniformity as based on 4 specimens from a blended sample, per sample.....	1.75
	Minimum fee unless performed in connection with other tests requiring a blended specimen....	3.50
4.1.	Fiber length of ginned cotton lint by Fibrograph method. Reporting the length of each sub-sample and the average length and the average length uniformity for each group of replicate sub-samples as based on 2 specimens from each of 3 or more replicate unblended sub-samples, per sub-sample..	1.00
	Minimum fee	4.00
5.	Fiber strength of ginned cotton lint by flat bundle method. Reporting the average strength as based on 6 specimens from a blended sample, per sample....	1.75
	Minimum fee unless performed in connection with other tests requiring a blended sample.....	3.50
5.1.	Fiber strength of ginned cotton lint by flat bundle method. Reporting the strength of each sub-sample and the average strength for each group of replicate sub-samples as based on 2 specimens for each of 3	

Item No.	KIND OF TEST	Fee per test
	or more replicate unblended sub-samples per sub-sample	\$1.00
	Minimum fee	4.00
6.	Fiber maturity and fineness of ginned cotton lint by the Causticaire method. Reporting the average maturity, fineness, and Micronaire reading as based on 2 specimens from a blended sample, per sample	2.50
	Minimum fee	7.50
7.	Micronaire readings on ginned cotton lint. Reporting the Micronaire reading as based on 1 specimen from each sample, per sample.....	.25
	Minimum fee	3.00
8.	Neps content of ginned cotton lint. Reporting the neps per 100 square inches as based on the web prepared from a 3-gram specimen by using accessory equipment with the mechanical fiber blender, per sample	2.50
	Minimum fee unless performed in connection with other tests requiring a blended specimen.....	7.50
9.	Blending samples of ginned cotton lint, including the blending of a 10-gram sample on the mechanical fiber blender and returning the blended sample to the applicant, per sample.....	1.25
10.	Moisture content of ginned cotton lint, cotton stock at various stages of processing and cotton lint waste of various types. Reporting the percentage of moisture content by the oven-drying method as based on a 20-gram specimen, per sample	1.00
	Minimum fee	4.00
11.	Cotton carded yarn spinning test (reporting data on the wastes extracted, the neps in card web, the yarn skein strength, the yarn appearance, and classification and fiber length as specified in items 28 and 3 as well as comments summarizing any unusual observations as based on the processing of 5 pounds of cotton in accordance with standard laboratory procedures at one of the standard rates of carding of 6-1/2, 9-1/2, or 12-1/2 pounds-per-hour into two of the standard carded yarn numbers of 8s, 14s, 22s, 36s, 44s, or 60s, employing a standard twist multiplier unless otherwise specified), per sample	37.50
	Minimum fee	75.00
12.	Cotton combed yarn spinning test (reporting data on the wastes extracted, the neps in card web, the yarn skein strength, the yarn appearance, and classification and fiber length as specified in items 28 and 3 as well as comments summarizing any unusual observations as based on the processing of 7 pounds of cotton in accordance with standard procedures at one of the standard rates of carding of 4-1/2,	

Item No.	KIND OF TEST	Fee per test
	6-1/2, or 9-1/2, pounds-per-hour into two of the standard combed yarn numbers of 22s, 36s, 44s, 50s, 60s, 80s, or 100s employing a standard twist multiplier unless otherwise specified), per sample.....	\$50.00
	Minimum fee	100.00
13.	Cotton carded and combed yarn spinning test (reporting the results specified in item numbers 11 and 12 in combination as based on the processing of 9 pounds of cotton into two of the standard carded and two of the standard combed yarn numbers employing the same carding rate and the same yarn numbers for both the carded and the combed yarns), per sample.....	62.50
	Minimum fee	125.00
14.	Cotton carded and combed yarn spinning test (reporting the results specified in item numbers 11 and 12 in combination as based on the processing of 9 pounds of cotton into two of the standard carded and two of the standard combed yarn numbers employing different carding rates and/or yarn numbers for the carded and combed yarns), per sample	75.00
	Minimum fee	150.00
15.	Two-pound cotton carded yarn spinning test (available to cotton breeders only reporting data on the neps in card web, the yarn skein strength, the yarn appearance and the classification and the fiber length of the cotton as specified in item numbers 28 and 3 as well as comments on any unusual processing performance as based on the processing of 2 pounds of cotton in accordance with standard procedures into 22s and 36s carded yarns employing a standard twist multiplier), per sample.....	25.00
	Minimum fee	50.00
16.	Processing and testing of additional yarn (any carded or combed yarn number processed in connection with spinning tests as specified in item numbers 11 through 14 including either additional yarn numbers or additional twist multipliers employed on the same yarn numbers):	
	a. Single yarn reporting data on skein strength and appearance, per additional lot of yarn.....	6.25
	b. 2- or 3-ply yarn reporting data on skein strength only, per lot of yarn	12.50
16.1.	Processing and furnishing of additional yarn (any yarn number processed in connection with spinning tests as specified in items 11 through 14):	
	a. Approximately 300 yards on each of 16 paper tubes for testing by the applicant, per additional lot of yarn.....	12.50

In the following quantities wound on paper tubes:

Yarn number	Per Pound	Minimum fee
b. Carded 60s or coarser....	\$12.50	\$15.50
c. Combed 60s or coarser...	15.50	18.75
d. Combed 61s to 80s	18.75	21.75
e. Combed 81s to 100s.....	21.75	25.00

17. Spinning twist test (reporting data on the skein strength of any yarn number processed from ginned lint or stock in process employing 6 different spinning twist multipliers as specified by the applicant for determining the optimum twist) processed as follows:
- a. From ginned lint or picker lap, per sample ... \$50.00
 - b. From sliver, per sample..... 45.00
 - c. From roving, per sample 40.00
- 17.1. Additional spinning twist test (from the same material and in connection with a spinning test or a spinning twist test as specified in item numbers 11 through 14 and 17 reporting data on yarn skein strength for an additional yarn number or additional twists on the same yarn number), per 6 lots of yarn 30.00
18. Skein strength of yarn (reporting data on the strength and the yarn numbers based on 25 skeins from yarn furnished by the applicant), per sample 3.00
- 18.1. Appearance grade of yarn on bobbins furnished by applicant (reporting the appearance grade in accordance with ASTM standards as based on yarn wound from one bobbin), per bobbin 1.25
- a. Furnishing yarn wound on boards in connection with yarn appearance tests as specified in item numbers 11 through 15 and 18.3, per yarn number 1.25
19. Processing, weaving, and testing of fabric (reporting data on the warp and the filling strength by the grab method for any standard cotton fabric for which the laboratories are equipped to produce which are processed in accordance with standard laboratory procedures):
- a. Processed in connection with spinning tests as specified in item numbers 11 through 14, per lot of fabric..... 90.00
 - b. Processed from yarns furnished by the applicant, per lot of fabric 75.00
20. Strength of cotton fabric (reporting the average warp and filling strength by the grab method as based on 5 breaks for both warp and filling of fabric furnished by the applicant), per lot of fabric. 3.00

Item No.	KIND OF TEST	Fee per test
20.1.	Cotton Fabric Analysis (reporting data on the number of warp and filling threads per inch and the weight per yard of fabric as based on at least three (3) 6 x 6-inch specimens of fabric which was processed as specified in item number 19, or furnished by the applicant), per lot of fabric	\$6.25
	Minimum fee	12.50
21.	Neps and waste test (reporting data on neps in card web and wastes extracted in the processing of a 5-pound specimen of ginned cotton lint through the picking and carding processes in accordance with standard procedures as specified in item numbers 11 and 12, per sample	9.00
21.1.	Determination of neps in card web of cotton (reporting the average number of neps per 100 square inches of web in specimens furnished by the applicant on boards covered with black velvet not to exceed 10 specimens or a total of 360 square inches), per test	1.75
22.	Color of ginned cotton lint. Reporting data on the reflectance in terms of Rd values and the degree of yellowness in terms of b values as based on color tests employing the Nickerson-Hunter Colorimeter on samples which have a uniform surface measuring 5 x 6 1/2 inches and weighing approximately 50 grams in order to provide specimens which are sufficiently thick to be opaque, per sample.....	.25
	Minimum fee	2.00
23.	Furnishing color standards, including a set of standard tiles and a master diagram for use in calibrating Nickerson-Hunter Cotton Colorimeters, per set.....	30.00
23.1.	Furnishing a Colorimeter calibration sample box containing 6 cotton samples with color values Rd and +b plotted on a color diagram based on the Nickerson-Hunter Colorimeters, per box.....	5.00
23.2.	Furnishing new Colorimeter readings on samples in calibration boxes returned for check readings, per 6-sample box	1.50
24.	Furnishing copies of test data work sheets (includes individual observations and calculations which are not routinely furnished to the applicant), per sheet.	1.00
25.	Foreign matter content of cotton samples (reporting data on the non-lint content as based on the Shirley Analyzer separation of lint and foreign matter):	
	a. For samples of ginned lint or comber noils, per 100-gram specimen	2.00
	Minimum fee	4.00
	b. For samples of ginning and processing wastes other than comber noils, per 100-gram specimen.....	5.00
	Minimum fee	10.00
26.	Furnishing identified cotton samples (includes samples of ginned lint, stock at any stage of processing	

Item No.	KIND OF TEST	Fee per test
	or testing, waste of any type, yarn or fabric selected and identified in connection with fiber and/or spinning tests), per identified sample.....	\$.75
27.	Furnishing additional copies of test reports (includes extra copies in addition to the 2 copies routinely furnished in connection with each test item), per additional sheet50
27.1.	Furnishing a certified relisting of test results (includes samples or sub-samples selected from any previous tests), per sheet	2.50
28.	Classification of ginned cotton lint in connection with fiber and/or processing tests (includes grade and staple classification of 6-ounce samples in accordance with the applicable U.S. standards for the cotton submitted), per sample.....	.35
29.	Combination fiber test:	
	a. Test items 4, 5, and 6, per sample.....	5.00
	Minimum fee	10.00
	b. When tested in connection with spinning test numbers 11, 12, 13, 14, and 15, per sample ...	3.75
29.1.	Combination fiber test:	
	a. Test items 4, 5, and 7, per sample.....	3.25
	Minimum fee	6.50
	b. When tested in connection with spinning test numbers 11, 12, 13, 14, and 15, per sample ...	1.50
29.2.	Combination fiber test, including test items 4.1, 5.1, and 7 (on 3 or more replicate sub-samples), per sub-sample	1.75
	Minimum fee	5.25
30.	Mercerizing and testing of cotton yarn (reporting data on the luster of two 120-yard skeins and strength of the yarn as based on twenty-five 120-yard skeins mercerized in accordance with standard laboratory procedures):	
	a. Including the processing of the extra yarn in connection with spinning test item numbers 11 through 14, per lot of yarn.....	12.50
	Minimum fee	50.00
	b. For yarn furnished by the applicant (27 skeins of 120 yards each required), per lot of yarn...	10.00
	Minimum fee	40.00
31.	Bleaching and testing of cotton yarn (reporting data on the color of the yarn in terms of Rd reflectance values and plus b degree of yellowness values as based on the measurement of two 120-yard skeins either processed in connection with spinning test item numbers 11 through 14 or furnished by the applicant and bleached in accordance with standard laboratory procedures), per lot of yarn.....	4.00
	Minimum fee	40.00
32.	Bleaching, dyeing and testing of cotton yarn (reporting data on the color of the dyed yarn in terms of Rd reflectance values and minus b degree of blueness values as based on the measurement of	

Item No.	KIND OF TEST	Fee per test
	two 120-yard skeins either processed in connection with spinning test item numbers 11 through 14 or furnished by the applicant and bleached then dyed in accordance with standard laboratory procedures), per lot of yarn.....	\$6.00
	Minimum fee	60.00
33.	Dyeing and testing of grey cotton yarn (reporting data on the color of the dyed yarn in terms of Rd reflectance values and minus b degree of blueness values as based on the measurement of two 120-yard skeins either processed in connection with spinning test item numbers 11 through 14 or furnished by the applicant and dyed in accordance with standard laboratory procedures), per lot of yarn....	4.00
	Minimum fee	40.00
34.	Luster of cotton yarn (reporting data on the percent luster of grey or mercerized yarn either processed in connection with spinning test item numbers 11 through 14 or furnished by the applicant as based on the measurement of two 120-yard skeins), per lot of yarn.....	1.00
	Minimum fee	3.00
35.	Color of cotton yarn (reporting data on the color of grey, bleached, dyed or bleached and dyed yarn either processed in connection with spinning test items 11 through 14 or furnished by the applicant as based on the measurement of two 120-yard skeins), per lot of yarn.....	1.00
	Minimum fee	3.00
36.	Micronaire (mike) readings on cotton samples submitted for classification pursuant to Secs. 28.901 - 28.917 in this Part 28. These mike readings will be made available upon written application from the manager or other officer of the cotton gin which gins the cotton or from other sampling agents authorized to sample cotton pursuant to Sec. 28.906. Such applications will provide that a mike reading will be made on each sample submitted for classification and that the applicant will be responsible for the payment of the test fee. Application forms for this service will be furnished by the Cotton Division, per sample05
37.	Micronaire (mike) readings on all samples included in a lot of cotton samples submitted for classification pursuant to Secs. 28.1 - 28.126 of this Part 28, including samples submitted for reclassification pursuant to CCC sales program, per sample08
38.	Air-flow instrument tests and reporting micronaire readings on cotton samples submitted for classification other than samples tested pursuant to Item 36 and Item 37, per sample25
	Sec. 28.957 <u>Fees for special tests.</u> In the discretion of the Director, special tests not listed in Sec. 28.956 may be made to	

the extent that available facilities will permit, subject to the payment of fees as determined by him.

Sec. 28.958 Payment of fees. As soon as practicable after the last day of each calendar month, bills shall be rendered by officers in charge of testing laboratories to all persons from whom payment of fees and costs under the regulations in this subpart shall become due, provided that when desirable any bill may be rendered at an earlier date. Payment shall be by check or by draft or post office or express money order, payable to the order of "Consumer and Marketing Service, USDA."

Sec. 28.959 Limitation of testing services. If at any time funds available for services under the regulations in this subpart may be insufficient to provide for the testing of all samples that may be submitted for the purpose, the Director may place reasonable limitations upon the quantities of samples to be submitted by individuals during any one fiscal year or any one calendar month, and may direct that samples received from cotton breeders shall take precedence over those received from other persons.

Sec. 28.960 Confidential information. No information concerning individual tests under the regulations in this subpart shall be published or communicated in such a way as to disclose to others the identity of the owners of cotton represented by samples submitted for testing, except with the written permission of such owners.

Sec. 28.961 False and misleading information. The publication or communication by any person of false or misleading information concerning the results of tests as reported by laboratories under the regulations in this subpart shall be deemed sufficient cause for denial of testing services to such persons.

COTTON SERVICE TESTING AMENDMENT

7 U.S.C. 473d. Quality tests and analyses by Secretary of breeders and others; fees. The Secretary of Agriculture is authorized to make analyses of fiber properties, spinning tests, and other tests of the quality of cotton samples submitted to him by cotton breeders and other persons, subject to such terms and conditions and to the payment by such cotton breeders and other persons of such fees as he may prescribe by regulations under this chapter. The fees to be assessed hereunder shall be reasonable, and, as nearly as may be, to cover the cost of the service rendered. Mar. 3, 1927, c. 337, Sec. 3d, as added Apr. 7, 1941, c. 42, 55 Stat. 131.

